



MINOS+ Status Report



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All Experimenters' Meetings
April 7 , 2014



Near Detector



DAQ

- Took good data all week
- Plan to do another network disconnect test during next beam downtime
 - To check again we can run the whole system without outside network
 - Requires removing BlueArc mount from the minos online systems
 - System admin people have a plan
 - We are trying to schedule the test for tomorrow during the beam owntime
- Added checks on DCS processes to QuasiOnline watchdog script (Bill)

Electronics

- Swapped Minder with hot channel 6-14-0 during Thursday's morning beam downtime
 - Problem is gone



Far Detector



General

- Power outage at Soudan and vicinities on Monday evening ~ 8:00 pm
- No access to the mine until power was fully restored the next morning
- Some UPS (not refurbished units) had to be manually power cycled
- Detector fully up and DAQ running by 10:00 am
- Downtime was about 14 hours

DAQ

- Took good data since
- Did CI (Charge Injection) special run during Thursday's morning beam downtime
- Adding checks on DCS processes to QuasiOnline watchdog script (Bill)



Far Detector



Electronics



- Some ETC (Event Timestamp Controller) errors from crate 4
- Possibly related to the ongoing issues with auxiliary PPS monitor system in same crate
 - Still under investigation
 - Primary system in Crate 2 works fine
- Crate 14 flat CI channel
 - One pixel affected
 - Possible problem is interface/adaptor card mounted to the side of the MUX box that carries connections between the PMT and the VFB (VA Front Board, that read out the PMT pixels))



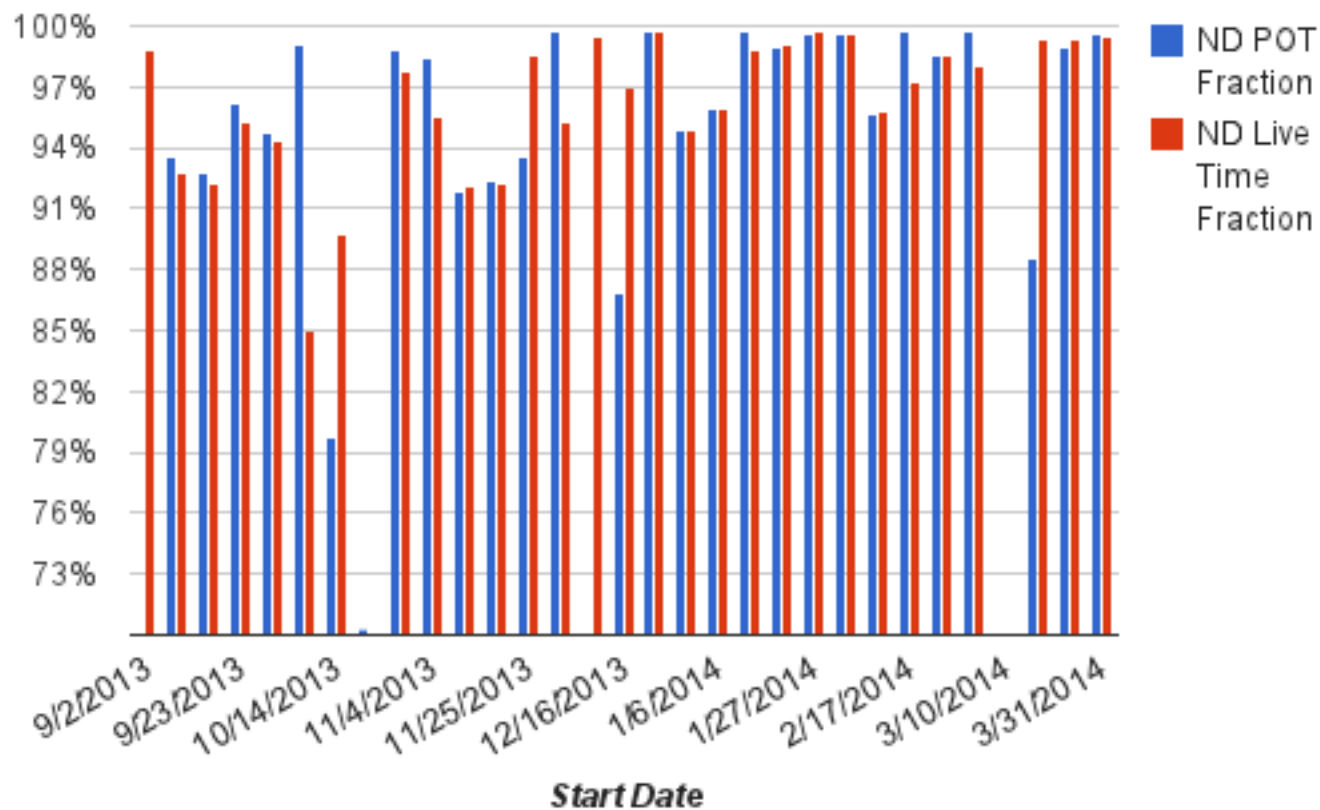
MINOS+ Status



| Start Date/Time | End Date/Time | Near Detector | | Far Detector | |
|-------------------|-------------------|---------------|--------------------|--------------|--------------------|
| | | POT Fraction | Live Time Fraction | POT Fraction | Live Time Fraction |
| 12/30/13 00:00:00 | 01/06/14 00:00:00 | 94.9% | 94.9% | 98.5% | 98.5% |
| 01/06/14 00:00:00 | 01/13/14 00:00:00 | 95.9% | 95.9% | 98.7% | 98.8% |
| 01/13/14 00:00:00 | 01/20/14 00:00:00 | 99.7% | 98.8% | 99.8% | 99.3% |
| 01/20/14 00:00:00 | 01/27/14 00:00:00 | 99.0% | 99.1% | 95.2% | 94.8% |
| 1/27/14 00:00:00 | 2/3/14 12:00 AM | 99.7% | 99.7% | 95.8% | 96.6% |
| 2/3/14 00:00:00 | 2/10/14 12:00 AM | 99.5% | 99.6% | 94.9% | 95.2% |
| 2/10/14 00:00:00 | 2/17/14 12:00 AM | 95.7% | 95.7% | 99.9% | 99.0% |
| 2/17/14 00:00:00 | 2/24/14 12:00 AM | 99.7% | 97.2% | 78.0% | 87.0% |
| 2/24/14 00:00:00 | 3/03/14 12:00 AM | 98.5% | 98.5% | 2.09% | 2.13% |
| 3/03/14 00:00:00 | 3/10/14 00:00:00 | 99.8% | 98.0% | 88.0% | 84.2% |
| 3/03/14 00:00:00 | 3/17/14 12:00 AM | 33.6% | 48.5% | 79.8% | 99.1% |
| 3/17/14 00:00:00 | 3/23/14 12:00:00 | 88.6% | 99.4% | 88.4% | 99.3% |
| 3/23/14 00:00:00 | 3/30/14 12:00 AM | 98.9% | 99.3% | 98.3% | 94.1% |
| 3/31/14 00:00:00 | 4/07/14 12:00 AM | 99.6% | 99.5% | 87.6% | 91% |



ND POT fraction and Live Time Fraction





FD POT Fraction and Live Time Fraction

